Fig. 1

(PRIOR ART)

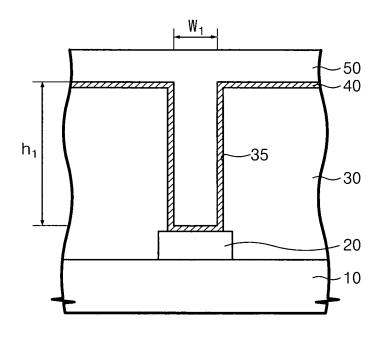
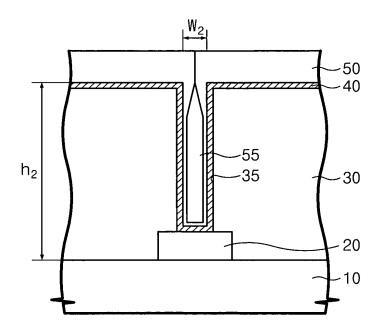


Fig. 2

(PRIOR ART)



Forming lower conductive pattern Forming MOCVD barrier metal layer Forming upper metal layer Fig. 4 Degassing Flushing -150Forming lower conductive pattern Forming MOCVD barrier metal layer Forming upper metal layer Fig. 3 Flushing

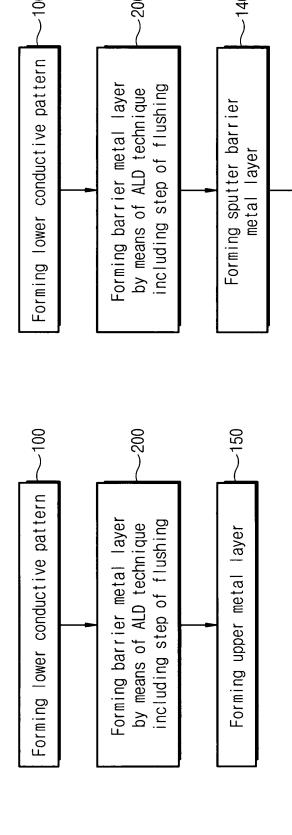
_150

Forming lower conductive pattern Forming MOCVD barrier metal layer Forming sputter barrier Fig. 6 metal layer Degassing Flushing 150 Forming lower conductive pattern Forming MOCVD barrier metal layer Forming upper metal layer Forming sputter barrier Fig. 5 metal layer Flushing

150

Forming upper metal layer

Fig. 7



750

Forming upper metal layer

Fig. 8

Fig. 9

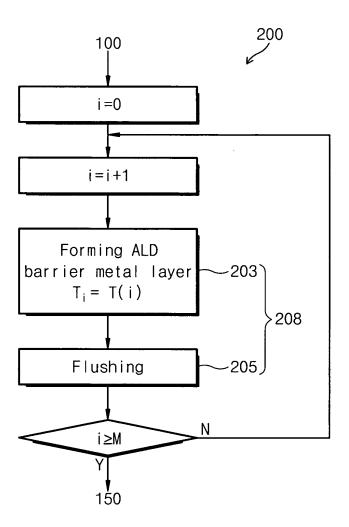


Fig. 10

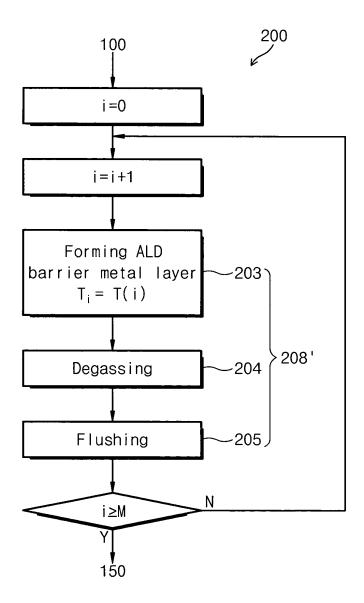


Fig. 11

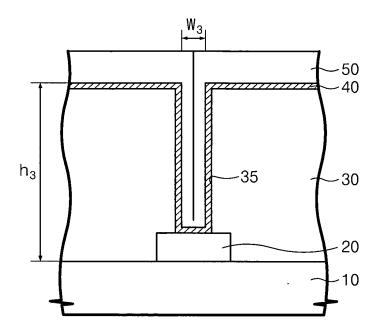


Fig. 12

